

**PERBEDAAN HASIL BELAJAR DAN AKTIVITAS SISWA MENGGUNAKAN  
MODEL PEMBELAJARAN KOOPERATIF JIGSAW DENGAN *THINK PAIR  
SHARE* (TPS) PADA MATERI SISTEM IMUNITAS DI KELAS XI  
SMA NEGERI 13 MEDAN T.P. 2016/2017**

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**ABSTRAK**

Penelitian ini bertujuan untuk mengetahui perbedaan hasil belajar dan aktivitas siswa yang menggunakan model pembelajaran tipe Jigsaw dengan *Think Pair Share* (TPS) pada materi sistem imunitas di kelas XI SMA Negeri 13 T.P. 2016/2017. Penelitian ini dilakukan di kelas XI IPA 5 dengan jumlah siswa sebanyak 30 orang, menggunakan model pembelajaran kooperatif Jigsaw dan kelas XI IPA 7 dengan jumlah siswa sebanyak 30 orang, menggunakan model pembelajaran *Think Pair Share* (TPS), sehingga total sampel 60 siswa. Untuk menguji hipotesis yang dirumuskan, digunakan uji t. Dari hasil penelitian diperoleh bahwa nilai rata-rata pretest kelas Jigsaw sebesar 55,8 (SD= 12,236) dan nilai rata-rata pretest kelas *Think Pair Share* (TPS) sebesar 55,3 (SD= 5,908). Nilai rata-rata posttest kelas Jigsaw sebesar 80 (SD= 6,840) dan nilai rata-rata posttest kelas *Think Pair Share* (TPS) sebesar 73,7 (SD= 5,719). Rata-rata skor aktivitas siswa kelas Jigsaw pada dua kali pertemuan adalah 70%, sedangkan rata-rata skor aktivitas siswa kelas TPS pada dua kali pertemuan adalah 63,33%. Berdasarkan hasil analisis statistik diketahui bahwa terdapat perbedaan hasil belajar dengan menggunakan model pembelajaran kooperatif Jigsaw dengan *Think Pair Share* (TPS) pada materi sistem imunitas di kelas XI SMA Negeri 13 Medan T.P. 2016/2017 ( $t_{hit} : 4,096$ ,  $t_{tabel (58; 0,05)} = 1,672$ ). Setelah dilakukan uji lanjut (Tukey), diketahui bahwa hasil belajar siswa pada model pembelajaran kooperatif Jigsaw dengan *Think Pair Share* (TPS) berbeda nyata ( $p = 0,000 < 0,05$ ). Dengan demikian hasil belajar dan aktivitas siswa dengan menggunakan model pembelajaran tipe Jigsaw lebih baik daripada model pembelajaran kooperatif tipe *Think Pair Share* (TPS).

Kata kunci : Hasil Belajar, Aktivitas Siswa, Jigsaw, *Think Pair Share* (TPS)



**DIFFERENCES OF LEARNING OUTCOMES AND STUDENT ACTIVITIES  
USING JIGSAW COOPERATIVE LEARNING MODELS WITH *THINK  
PAIR SHARE* (TPS) ON IMMUNITY SYSTEM MATERIAL IN  
GRADE XI SENIOR HIGH SCHOOL 13 MEDAN  
LEARNING YEARS 2016/2017**

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**ABSTRACT**

This study aims to determine differences of learning outcomes and student activities on the immunity system material using Jigsaw type learning model with Think Pair Share (TPS) in class XI SMA 13 Learning Years 2016/2017. This research was conducted in class XI IPA5 totaled 30 people, using Jigsaw type cooperative learning model and class XI IPA7 totaled 30 people, using cooperative learning model type Think Pair Share (TPS), so the total sample is 60 students. To find out the hypothesis formulated, used test t. The result showed that the average value of the pretest Jigsaw class is 55,8 (SD= 12,236) and the average pretest of Think Pair Share (TPS) is 55,3 (SD= 5,908). The average value of the posttest Jigsaw class is 80 (SD= 6,840) and the average posttest of Think Pair Share (TPS) is 73,7 (SD= 5,719). The average score of student activities Jigsaw class in twice meetings is 70%, whereas the average score of student activities Think Pair Share (TPS) class in twice meetings is 63,33%. Based on analysis statistic of this research there are differences in learning outcomes using Jigsaw type learning model with Think Pair Share (TPS) on immunity system material in the class XI Senior High School Medan learning years 2016/2017 ( $t_{hit} : 4,096$ ,  $t_{tabel (58; 0,05)} = 1,672$ ). After further testing (Tukey) it is known that student learning outcomes on cooperative learning model Jigsaw with *Think Pair Share* (TPS) is significantly different ( $p = 0,000 < 0,05$ ). Thus the result of learning and student activity using Jigsaw type learning model is better than Think Pair Share (TPS) cooperative learning model.

*Keywords: Learning Outcomes, Student Activities, Jigsaw, Think Pair Share (TPS)*